

CLAIMS

5 1. A two-component dental bleaching system wherein the components are adapted to be admixed and applied to the teeth from a dental tray for sustained contact, said system comprising:

10 as a first component, a dental peroxide gel comprising both carbamide peroxide and hydrogen peroxide; and

15 as a second component, an orally compatible activator gel wherein said activator gel includes a base to increase its pH.

20 2. The dental bleaching system according to claim 1, wherein the first component includes hydroxypropyl cellulose.

25 3. The dental bleaching system according to claim 1, wherein the first component comprises carbamide peroxide at a weight percentage of at least about 10%, based on the total weight of said first component.

4. The dental bleaching system according to claim 1, wherein the first component comprises hydrogen peroxide at a weight percentage of at least about 0.5%, based on the total weight of the first component.

30 5. The dental bleaching system according to claim 1, wherein the first component comprises hydrogen peroxide at a weight percentage of at least about 5%, based on the total weight of the first component.

6. The dental bleaching system according to claim 1,  
wherein the first component comprises carbamide peroxide at a  
5 weight percentage of at least about 16% and hydrogen peroxide at  
a weight percentage of at least about 1.5%, based on the total  
weight of the first component.

10 7. The dental bleaching system according to claim 1,  
wherein the first component comprises carbamide peroxide at a  
weight percentage from about 10% to about 25% and hydrogen  
peroxide at a weight percentage from about 0.5% to about 10%,  
based on the total weight of the first component.

15 8. The dental bleaching system according to claim 1,  
wherein the first component comprises carbamide peroxide at  
about 16% by weight and hydrogen peroxide at about 1.3% by  
weight, based on the total weight of the first component.

20 9. The dental bleaching system according to claim 1,  
wherein the first component comprises carbamide peroxide at about  
16% by weight and hydrogen peroxide at about 6% by weight, based  
on the total weight of the composition.

25 10. The dental bleaching system according to claim 1,  
wherein the first component comprises carbamide peroxide at a  
weight percentage of about 16% and hydrogen peroxide at a weight  
percentage of about 10%, based on the total weight of the  
composition.

30 11. The dental bleaching system according to claim 1,  
wherein the activator gel comprises sodium fluoride and potassium  
nitrate.

12. The dental bleaching system according to claim 1,  
wherein the activator gel comprises potassium nitrate and  
5 tetrapotassium pyrophosphate.

13. The dental bleaching system according to claim 1  
wherein the activator gel comprises:

10	Propylene Glycol	33.000%
	Klucel GF	1.980%
	Propylene Glycol USP	16.970%
	Glycerin, USP	38.100%
	Peppermint PE-07274	0.200%
15	Natural Peppermint	0.400%
	Oil PE-05523	
	DI Water	0.500%
	Potassium Hydroxide	0.300%
	Sodium Fluoride	0.350%
20	Cab-O-Sil EH-5	8.200%

14. The dental bleaching system according to claim 1  
wherein the activator gel comprises:

25	Propylene Glycol/	33.000%
	Klucel GF premix	1.980%
	Propylene Glycol USP	12.576%
	Glycerin, USP	40.000%
	Peppermint PE-07274	0.200%
30	Natural Peppermint	0.400%
	Oil PE-05523	
	Cab-O-Sil EH-5	11.000%
	Potassium Hydroxide	0.300%
	DI Water	0.514%

15. The dental bleaching system according to claim 1  
wherein the activator gel comprises:

5	Propylene Glycol/	33.000%
	Klucel GF premix	1.980%
	Propylene Glycol USP	7.767%
	Glycerin, USP	32.753%
10	Art. Cherry CH-05506	0.600%
	Cab-O-Sil EH-5	5.600%
	Potassium Nitrate FCC	5.400%
	Potassium Hydroxide	0.300%
	DI Water	12.600%

15. The dental bleaching system according to claim 1  
wherein the activator gel comprises:

15	Propylene Glycol/	33.000%
	Klucel GF premix	1.980%
20	Propylene Glycol USP	7.767%
	Glycerin, USP	32.753%
	Peppermint PE-07274	0.200%
	Natural Peppermint	0.400%
25	Oil PE-05523	
	Cab-O-Sil EH-5	5.600%
	Potassium Nitrate FCC	5.400%
	Potassium Hydroxide	0.300%
	DI Water	12.600%

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